DATE: 07/25/2001

OIPE

```
TIME: 14:14:51
                     PATENT APPLICATION: US/09/903,412
                     Input Set : A:\109-050US1 Sequence listing.txt
                     Output Set: N:\CRF3\07252001\I903412.raw
     4 <110> APPLICANT: Koide, Shohei
     6 <120> TITLE OF INVENTION: ARTIFICIAL ANTIBODY POLYPEPTIDES
     8 <130> FILE REFERENCE: 109.050US1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/903,412
C--> 10 <141> CURRENT FILING DATE: 2001-07-11
     10 <150> PRIOR APPLICATION NUMBER: US 60/217,474
                                                                     ENTERED
    11 <151> PRIOR FILING DATE: 2000-07-11
    13 <160> NUMBER OF SEQ ID NOS: 121
    15 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    17 <210> SEQ ID NO: 1
    18 <211> LENGTH: 14
    19 <212> TYPE: PRT
    20 <213> ORGANISM: Unknown
    22 <220> FEATURE:
    23 <223> OTHER INFORMATION: Anti-hen egg lysozyme (HEL) antibody.
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    26 Ala Arg Glu Arg Asp Tyr Arg Leu Asp Tyr Trp Gly Gln Gly
    29 <210> SEQ ID NO: 2
    30 <211> LENGTH: 17
    31 <212> TYPE: PRT
    32 <213> ORGANISM: Unknown
    34 <220> FEATURE:
    35 <223> OTHER INFORMATION: An anti-HEL single VH domain termed VH8.
    37 <400> SEQUENCE: 2
    38 Ala Arg Gly Ala Val Val Ser Tyr Tyr Ala Met Asp Tyr Trp Gly Gln
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    39 1
                         5
                                            10
    40 Gly
    43 <210> SEQ ID NO: 3
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    45 <212> TYPE: PRT
    46 <213> ORGANISM: Homo sapiens
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                       5
                                            10
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    54 <212> TYPE: PRT
    55 <213> ORGANISM: Artificial Sequence
    57 <220> FEATURE:
    58 <223> OTHER INFORMATION: Mutant D1.3-1.
    60 <400> SEQUENCE: 4
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    62 1
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    64 <210> SEQ ID NO: 5
    65 <211> LENGTH: 12
    66 <212> TYPE: PRT
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RAW SEQUENCE LISTING

## **RAW SEQUENCE LISTING**PATENT APPLICATION: **US/09/903,412**DATE: 07/25/2001 TIME: 14:14:51

Input Set : A:\109-050US1 Sequence listing.txt
Output Set: N:\CRF3\07252001\1903412.raw

67 <213> ORGANISM: Artificial Sequence 69 <220> FEATURE: 70 <223> OTHER INFORMATION: Mutant D1.3-2. 72 <400> SEQUENCE: 5 73 Tyr Ala Val Arg Asp Tyr Arg Leu Asp Tyr Pro Ile 5 76 <210> SEQ ID NO: 6 77 <211> LENGTH: 16 78 <212> TYPE: PRT 79 <213> ORGANISM: Artificial Sequence 81 <220> FEATURE: 82 <223> OTHER INFORMATION: Mutant D1.3-3. 84 <400> SEQUENCE: 6 85 Tyr Ala Val Arg Asp Tyr Arg Leu Asp Tyr Ala Ser Ser Lys Pro Ile 86 1 5 10 88 <210> SEQ ID NO: 7 89 <211> LENGTH: 13 90 <212> TYPE: PRT 91 <213> ORGANISM: Artificial Sequence 93 <220> FEATURE: 94 <223> OTHER INFORMATION: Mutant D1.3-4. 96 <400> SEQUENCE: 7 97 Tyr Ala Val Arg Asp Tyr Arg Leu Asp Tyr Lys Pro Ile 98 1 5 100 <210> SEQ ID NO: 8 101 <211> LENGTH: 11 102 <212> TYPE: PRT 103 <213> ORGANISM: Artificial Sequence 105 <220> FEATURE: 106 <223> OTHER INFORMATION: Mutant D1.3-5. 108 <400> SEQUENCE: 8 109 Tyr Ala Val Arg Asp Tyr Arg Ser Lys Pro Ile 112 <210> SEQ ID NO: 9 113 <211> LENGTH: 14 114 <212> TYPE: PRT 115 <213> ORGANISM: Artificial Sequence 117 <220> FEATURE: 118 <223> OTHER INFORMATION: Mutant D1.3-6. 120 <400> SEQUENCE: 9 121 Tyr Ala Val Thr Arg Asp Tyr Arg Leu Ser Ser Lys Pro Ile 124 <210> SEQ ID NO: 10 125 <211> LENGTH: 15 126 <212> TYPE: PRT 127 <213> ORGANISM: Artificial Sequence 129 <220> FEATURE: 130 <223> OTHER INFORMATION: Mutant D1.3-7. 132 <400> SEQUENCE: 10

RAW SEQUENCE LISTING DATE: 07/25/2001 PATENT APPLICATION: US/09/903,412 TIME: 14:14:51

Input Set : A:\109-050US1 Sequence listing.txt
Output Set: N:\CRF3\07252001\I903412.raw

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RAW SEQUENCE LISTING DATE: 07/25/2001
PATENT APPLICATION: US/09/903,412 TIME: 14:14:51

Input Set : A:\109-050US1 Sequence listing.txt
Output Set: N:\CRF3\07252001\I903412.raw

	<223> OTHER INFORMATION: Oligonucleotide FN2R.	
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205	<211> LENGTH: 46	
206	<212> TYPE: DNA	
207	<213> ORGANISM: Artificial Sequence	
209	<220> FEATURE:	
210	<223> OTHER INFORMATION: Oligonucleotide FN3F.	
212	<400> SEQUENCE: 17	
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	<210> SEQ ID NO: 18	
	<211> LENGTH: 38	
	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Oligonucleotide FN3R.	
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	<212> TYPE: DNA	
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	<220> FEATURE:	
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	<212> TYPE: DNA	•
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
	<pre>&lt;223&gt; OTHER INFORMATION: Oligonucleotide FN5F.</pre>	
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	<212> TYPE: DNA	
	<213> ORGANISM: Artificial Sequence	
	<220> FEATURE:	
265	<223> OTHER INFORMATION: Oligonucleotide FN5R.	

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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/903,412

DATE: 07/25/2001 TIME: 14:14:51

Input Set : A:\109-050US1 Sequence listing.txt

Output Set: N:\CRF3\07252001\I903412.raw

- 267 <400> SEQUENCE: 22
- 268 cgggatcctc gagttactag gtacggtagt taatcga
- 270 <210> SEQ ID NO: 23
- 271 <211> LENGTH: 38
- 272 <212> TYPE: DNA
- 273 <213> ORGANISM: Artificial Sequence
- 275 <220> FEATURE:
- 276 <223> OTHER INFORMATION: Oligonucleotide FN5R'.
- 278 <400> SEQUENCE: 23
- 279 cgggatccac gcgtgccacc ggtacggtag ttaatcga
- 281 <210> SEQ ID NO: 24
- 282 <211> LENGTH: 44
- 283 <212> TYPE: DNA
- 284 <213> ORGANISM: Artificial Sequence
- 286 <220> FEATURE:
- 287 <223> OTHER INFORMATION: Oligonucleotide gene3F.
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- 292 <210> SEQ ID NO: 25
- 293 <211> LENGTH: 39
- 294 <212> TYPE: DNA
- 295 <213> ORGANISM: Artificial Sequence
- 297 <220> FEATURE:
- 298 <223> OTHER INFORMATION: Oligonucleotide gene3R.
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- 304 <211> LENGTH: 36
- 305 <212> TYPE: DNA
- 306 <213> ORGANISM: Artificial Sequence
- 308 <220> FEATURE:
- 309 <223> OTHER INFORMATION: Oligonucleotide 38TAABq1II.
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- 316 <212> TYPE: DNA
- 317 <213> ORGANISM: Artificial Sequence
- 319 <220> FEATURE:
- 320 <223> OTHER INFORMATION: Oligonucleotide BC3.
- 322 <221> NAME/KEY: misc\_feature
- 323 <222> LOCATION: (1)...(51)
- 324 <223> OTHER INFORMATION: n = A, T, C or G
- 326 <400> SEQUENCE: 27
- 327 gatcagctgg gatgctcctn nknnknnknn knnktattac cgtatcacgt a
- 329 <210> SEO ID NO: 28
- 330 <211> LENGTH: 57
- 331 <212> TYPE: DNA
- 332 <213> ORGANISM: Artificial Sequence



Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/903,412

DATE: 07/25/2001

TIME: 14:14:52

Input Set : A:\109-050US1 Sequence listing.txt

Output Set: N:\CRF3\07252001\I903412.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30

L:681 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:55

L:1405 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (113) SEQUENCE: